

SHANTANU BHATTACHARYA

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EDUCATION

The University of Texas at Austin	Bachelor's in business Analytics Minor in Information Systems	2025
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- **Relevant Coursework:** Machine Learning, Web Application Development, Database Management, Data Mining, Statistics and Data Science, Decision Science, Cybersecurity
- **University Honors:** Dean's List(Cum laude ampla et magna), Granted Admission as a Plan II Honors scholar

EXPERIENCE

Educated Analytics - GIS & Data Engineering Intern; Austin, USA	September 2024 - Present
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- Sourced, cleaned, and integrated large datasets into AWS Postgres and GIS platforms using SQL queries, boosting data accessibility for early education real estate operators
- Supported investment strategies by Automating ETL processes with python, streamlining data pipelines and enhancing real-time GIS updates for portfolio expansion
- Engineered data normalization algorithms to merge disparate datasets, increasing dataset accuracy by 15% & reducing manual intervention

Unified Mentor - BI & Data Analytics Intern; Pune, India	June 2024 - August 2024
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- Collaborated with internal teams to identify data quality issues, conducted data cleaning for **50,000+** entries using Python, reducing discrepancies by **20%** and ensuring consistent data quality across departments
- Engaged directly with SaaS clients to understand reporting needs, designed and delivered custom **Power BI dashboards**, improving data accessibility and enhancing decision-making by **40%**
- Partnered with engineering and business teams to develop **SQL queries**, streamlining data retrieval and reducing query response times by **35%**, leading to improved operational efficiency

Car Udyog (Earlier JM Auto Mall, India) - Strategic Technology Analyst Intern; Mumbai, India	Dec 2022 - Jan 2023
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- Collaborated with cross-functional teams to analyze operational and sales data using **Tableau**, identifying inefficiencies and implementing process improvements that boosted supply chain efficiency by **15%**
- Engaged with marketing and strategy teams to conduct in-depth market and competitor analysis, leading to a **20%** increase in market share through **Predictive Modeling** and collaborative implementation
- Established **SOPs** across Operations and Tech departments, increasing workflow consistency & improving productivity by **10%**

YellowFirst Experience LLC - Technology Solutions and IT Strategies Intern; Pune, India	May 2022 - August 2022
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- Led data cleaning initiatives with **SQL**, optimizing query performance & reducing processing time by **40%** for large datasets
- Developed sales forecasting models in **R**, improving prediction accuracy by **20%**, helping align software delivery with demand
- Worked directly with clients to deliver **7 data modeling** and mining projects, baring insights that improved client retention by **15%**

ACTIVITIES & PROJECTS

Teaching Assistant (TA) - Decision Science; Information, Risk & Operations Management department	Jan 2023 - Present
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- Graded over **300+ assignments**, case studies, & collaborated with faculty to integrate advanced **quantitative methods**
- Supported **250+ students** through weekly office hours, assisting them with **statistical models** and **data visualization** projects

ETL Process for Airline Data Warehouse Integration - Database Management	Spring 2024
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- Architected a centralized data warehouse integrating passenger data from two airlines, ensuring consistent data schema, efficient storage, and **retrieval mechanisms** while **normalizing data formats** across multiple sources
- Designed and automated the ETL process with optimized SQL queries, reducing runtime and ensuring **data integrity** during extraction, transformation, and loading operations for large datasets

ADDITIONAL INFORMATION

Computer Skills: Data Cleaning, Data Warehousing, Data Mining, Machine Learning, Web Scraping, C#, SQL, Python, R, Statistical & Predictive Modeling, Tableau, Database Design, MongoDB, Blockchain

Certifications: Microsoft Machine Learning, GenAI Data Scientist(BCG), Python for Data Science(IBM), Cybersecurity(pwc), Snowflake Data Warehousing, Entrepreneurship, Macquarie university Advanced Excel, Financial Markets(Yale), Machine Learning(Harvard)

Languages: Fluency in Hindi, Intermediate in French, Fluent in Bengali, Fluent in Marathi

Interests: Entrepreneurship, Finding Solutions, Social Initiatives, Public Speaking, Athletics, Lawn Tennis, Soccer, Musician, Traveling

Work Eligibility: Extended eligibility to work in the U.S. due to S.T.E.M. certification; will require visa sponsorship for long-term employment